

### ***Remarks***

Applicants have amended the specification at page 117, line 27. This amendment was made to correct what is believed to be a result of a typographical error. Support for this change can be found in the specification, at least in the sentences immediately preceding and immediately following the line where the change was made. Both sentences discuss the similarities of the Jak3 kinase to other Jak kinases. Additionally, the similarity of the Jak3 kinase to other Jak kinases is also referred to in the specification at page 38, lines 16-17 as follows, "[t]he sequence (Fig. 6) is highly related to other Jaks and was termed Jak3." Thus, it would be apparent to one reading the specification that the Jak3 kinase would have a "typical" rather than an "atypical" protein kinase catalytic domain.

Support for the new claims can be found in the specification at least at the following pages:

Claim 32 - 34 Page 47, lines 3-5.  
Claim 35 - Page 20, lines 4-27 and originally numbered claim 26.  
Claim 36 - Page 22, lines 25-31 bridging to page 24, lines 1-20.  
Claim 37 - Same as claim 36 and page 25, lines 11-14.  
Claim 38 - Page 39, lines 23-25.  
Claims 39-40 - Page 20, lines 10-31 bridging to page 21, lines 1-12.  
Claim 41 - Page 21, lines 15-17.  
Claim 42 - Page 15, lines 38-39.  
Claim 43 - Page 19, lines 23-25.  
Claim 44 - Page 43, lines 20-22 and page 28, lines 20-25.  
Claims 45-46 - Original claims 27, 30 and 31.  
Claims 47-48 - Page 20, lines 28-31 bridging to page 21, lines 1-17; Page 39, lines 23-25.  
Claims 49-50 - Page 39, lines 13-18.  
Claim 51 - Page 20, lines 28-31 bridging to page 21, lines 1-12

Additionally, Applicants are filing a paper copy of the sequence listing as originally filed in the parent application (U.S. Application No. 08/665,574; filed June 11, 1996). This listing,

however, will be replaced in the near future with a supplementary preliminary amendment to correct various errors in the originally filed listing.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Lawrence B. Bugaisky  
Attorney for Applicants  
Registration No. 35,086

Date: September 17, 1999

1100 New York Avenue, N.W.  
Suite 600  
Washington, D.C. 20005-3934  
(202) 371-2600

P:\USERS\YHARRIS\LB\PTO\656374.pam  
SKGF1/25/98 dcw